**Adding and Subtracting Fractions with Unlike Denominators**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_**

We Will Rock you Fractions Song: [Musical Note 2 Clip Art](javascript:edit(4474)) (this will help you remember the steps for the rest of the worksheet)

Adding or subtracting fractions like this…first find a \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ then \_\_\_\_\_\_\_\_up the tops or \_\_\_\_\_\_\_\_\_\_the tops, keeping the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_the same. When we’re done you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!!! (stomp, stomp, clap, stomp, stomp, clap)

A) Draw a diagram that shows the equation 2/3 + 1/4

B) Solve this equation and reduce to lowest terms.

1. Payton likes to suggest recipe ideas for Foods class. When making taco salad, Mrs. Kidd didn’t know if she would have enough sour cream for the whole class. So, at first she gave each group 2/9 of a cup of sour cream. When Mrs. Kidd discovered that there was still lots of sour cream left over she gave each group 1/6 of a cup more. How much sour cream did each group get? (write in lowest terms)
2. A) There are other students in Mrs. Kidd’s foods class who made apple strudel muffins one day. This group wasn’t paying attention to the amount of baking soda added to the muffin mix. One group member added 3/4 a tablespoon of baking soda and then another person added 2/3 of a tablespoon more. This was way too much baking soda and they should have used a teaspoons instead of tablespoons!!! How much baking soda did this group use? (write in lowest terms)

B) This cooking group gave 8/12 of the muffins to teachers in the school. But…Mrs. Kidd discovered that they had too much baking soda in them and sent the students get the muffins back from the teachers. They collected 1/6 of the muffins and threw them in the garbage. What fraction of the muffins did the students forget to collect from the teachers? (write in lowest terms)



1. A) Chyanne scored 1/5 of the points during the basketball game and Hanna scored ¼ of the points. What fraction of the points did they score together? (write in lowest terms)

b) Who scored more points, Chyanne or Hanna?

1. Aaron was winning a race to the soccer ball by 5/8 of a meter. He got to the ball ½ a meter ahead of Alexis. By how much did Alexis manage to catch up to Aaron?
2. Mrs. Kidd’s sister told her that 1/4+ 1/3 = 2/7
3. Explain the error in Mrs. Kidd’s sister’s thinking…what was she thinking!?!
4. Use a diagram to show the correct answer
5. Noah had 2/5 of a glass of water to drink. Nadia tipped it over and he lost 1/8 of the water. What fraction of the water was left in the glass? (in lowest terms)
6. Mrs. Dyck ate 3/40 of the doughnuts one night at the Doughnut Mill. Her neighbor went with her and she ate 4/20 of the doughnuts. What fraction of the doughnuts did they eat together? (in lowest terms)



1. Cameron played the snare drum during the band camp sing-along for 1/6 of an hour. Then he played it for another ¾ of an hour because he was so good and the musicians wanted to hear more! What fraction of an hour did Cameron play his snare drums for during the camp sing-along? (in lowest terms)
2. Jada had 5/8 of a chocolate bar that her brother Anson gave her. But then, she gave 5/12 of the chocolate bar to Mrs. Kidd. What fraction of the chocolate bar did Jada have for herself? (in lowest terms)
3. Spencer B spent ¾ of an hour taking to Alexis after school yesterday. But then he had to go eat his dinner and wash the dishes and fold laundry. Finally, he had another chance to call her and talked for 4/5 of an hour before he had to go vacuum the carpet and wash the floor. How long did Spencer and Alexis talk on the phone yesterday? (reduce to lowest terms)
4. Jan scored 1/5 of the points in badminton and JF scored 5/15 of the points. Unfortunately, they never had the chance to complete their game. What fraction of the game’s points did they score before Jan left to get an ice pack from the office? (in lowest terms)
5. ***Challenge Question:*** (the only 100% true story on this worksheet!!!)

Manesha was hanging outside of Mrs. Kidd’s window after school last year at 4:24 pm – 4:27 pm. She peeked her face through the window and then she ran really fast for 2/12 of a kilometer along the side of the school. But then suddenly she stopped and started doing cartwheels for 1/4 of a kilometer (once she thought Kidd could no longer see her – but she still could!). Then for some reason she started skipping and singing the “We will Rock you Fractions song” for 1/3 of a kilometer. What is the total distance that Manesha travelled during this time?

1. Create your own fraction problem or cartoon for a partner to try.